



## General Hydrocarbon Gas Detector Specifications

Designed for R&D laboratory use and similar environments involving:

**Hydrogen**  
**H<sub>2</sub>**

**Methane**  
**C<sub>3</sub>H<sub>8</sub>**

**Propane**  
**CH<sub>4</sub>**

### Model # FF11002

<u>Absolute Maximum Ratings</u>			<u>Operating Temperature Range</u>			
Input Voltage	115VAC		Hydrogen (H <sub>2</sub> )			0°C to 50°C
Storage Temperature	-40°C to 85°C		Methane (CH <sub>4</sub> )			0°C to 50°C
Power Dissipation	6 Watts		Propane (C <sub>3</sub> H <sub>8</sub> )			0°C to 50°C
Humidity	95%					
Altitude	11,000'					
 <b>Electrical Characteristics</b> Specifications are rated at Vin=115VAC at T=25°C						
Sym	Parameter	Min	Typ	Max	Units	Conditions
Vin	Voltage Input	90	115	130	V	
Iin	Supply Current		40	50	mA	
Ar	Alarm Set Levels					
	Hydrogen (H <sub>2</sub> )		7,000	10,000	PPM	
	Methane (CH <sub>4</sub> )		5,000	12,500	PPM	
	Propane (C <sub>3</sub> H <sub>8</sub> )		4,000	5,250	PPM	
Gr	Range					
	Hydrogen (H <sub>2</sub> )		10,000		PPM	25% LEL
	Methane (CH <sub>4</sub> )		12,500		PPM	25% LEL
	Propane (C <sub>3</sub> H <sub>8</sub> )		5,250		PPM	25% LEL
Tr	Response Time					
	Hydrogen (H <sub>2</sub> )		2	5	Sec	@ 25% LEL 10,000 ppm
	Methane (CH <sub>4</sub> )		2	5	Sec	@ 25% LEL 12,500 ppm
	Propane (C <sub>3</sub> H <sub>8</sub> )		2	5	Sec	@ 25% LEL 5,250 ppm
Ta	Recovery time, post alarm condition in clean air	0	5	10	Sec	All gases, post alarm condition in clean air